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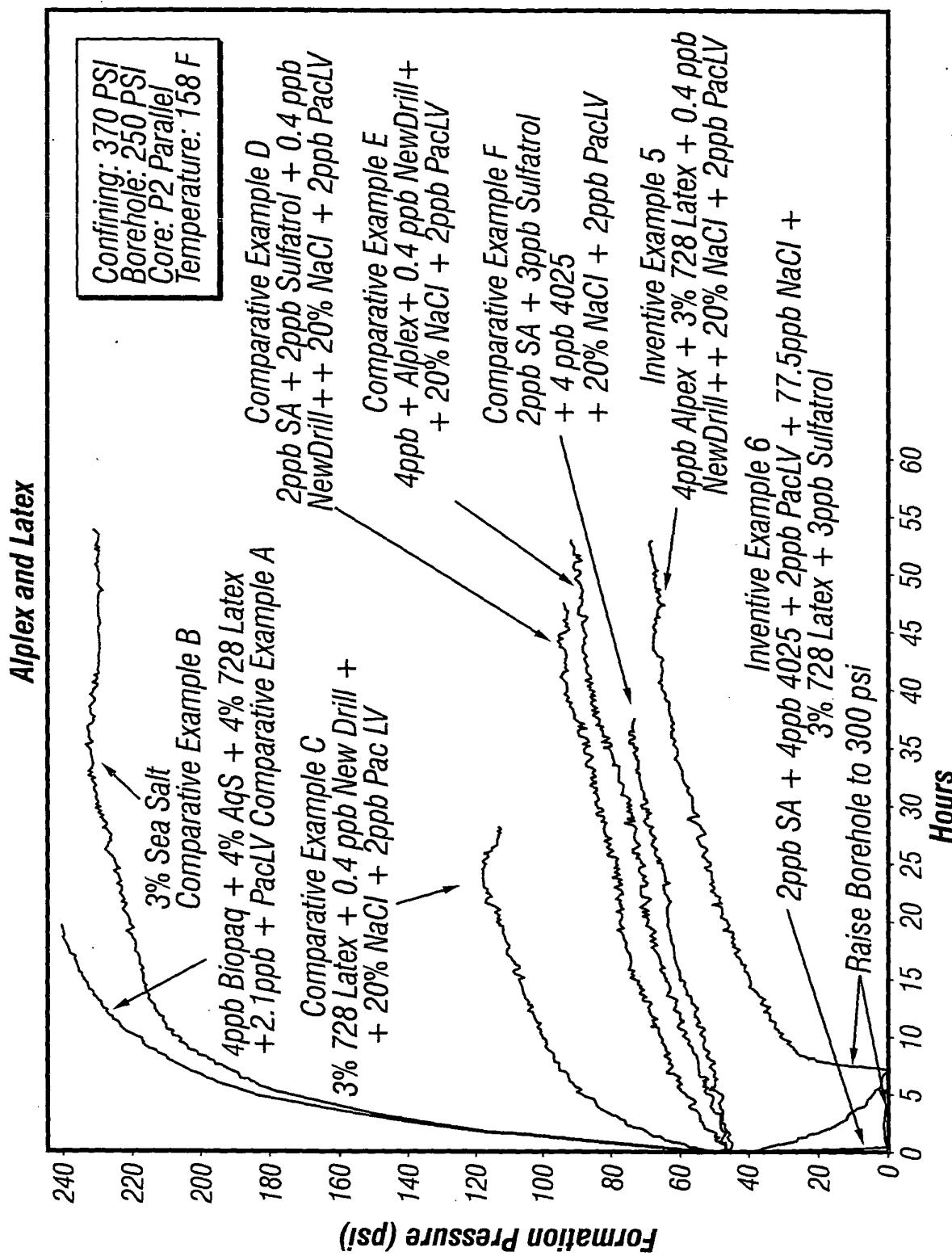
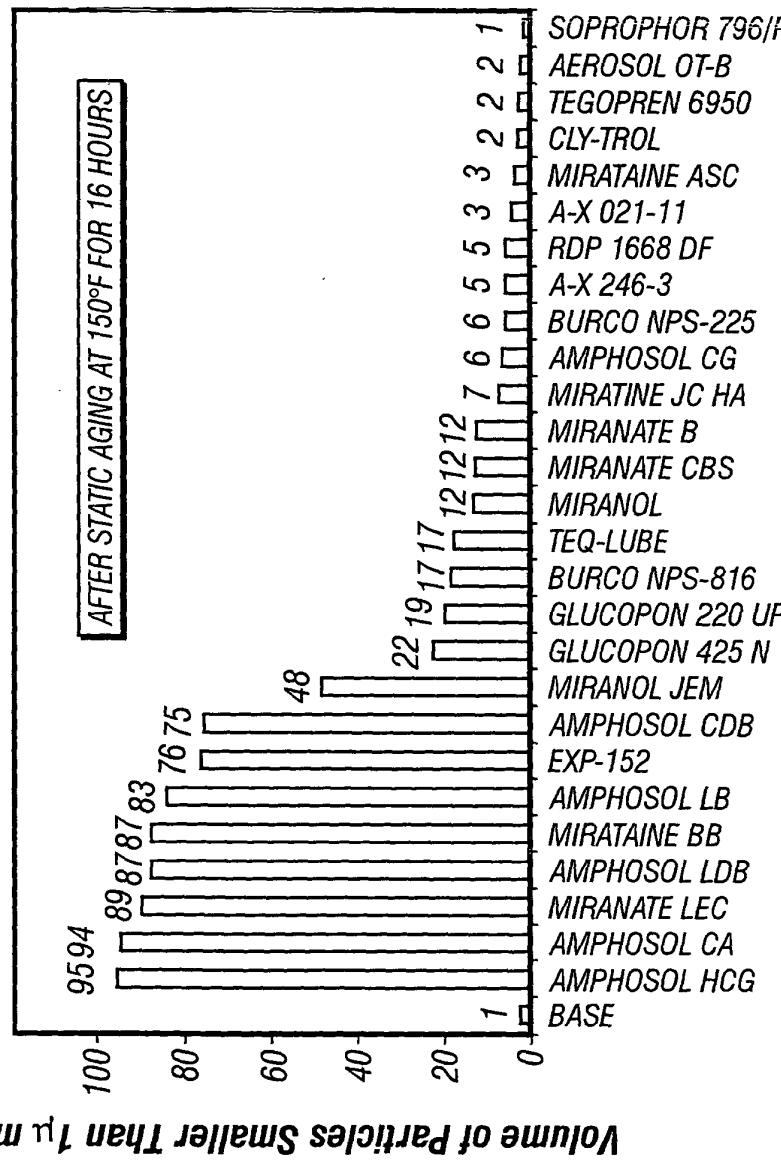


FIG. 1

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Surfactant effect on Gencal 7463 particle size in 20% NaCl//1 lb/bbl NEW-DRILL® PLUS/  
1 lb/bbl XAN-PLEX™ D / 0.5 lb/bbl sodium gluconate/3 lb/bbl NaAlO<sub>2</sub>/ 5% by vol Gencal 7463



Surfactants (2 lb/bbl)

FIG. 2

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*Influence of polymer resins (3 lb/bbl) on Gencal 7463 particle size distributions after 16 hours, 150°F hot roll in 20% NaCl / 0.75 lb/bbl XAN-PLEX® D / 0.5 lb/bbl sodium d-gluconate / 0.4 lb/bbl NEW-DRILL® PLUS/2 lb/bbl BIO-PAQ® / 3 lb/bbl NaAlO<sub>2</sub>/ 3% Gencal 7468 /1 lb/bbl EXP-152*

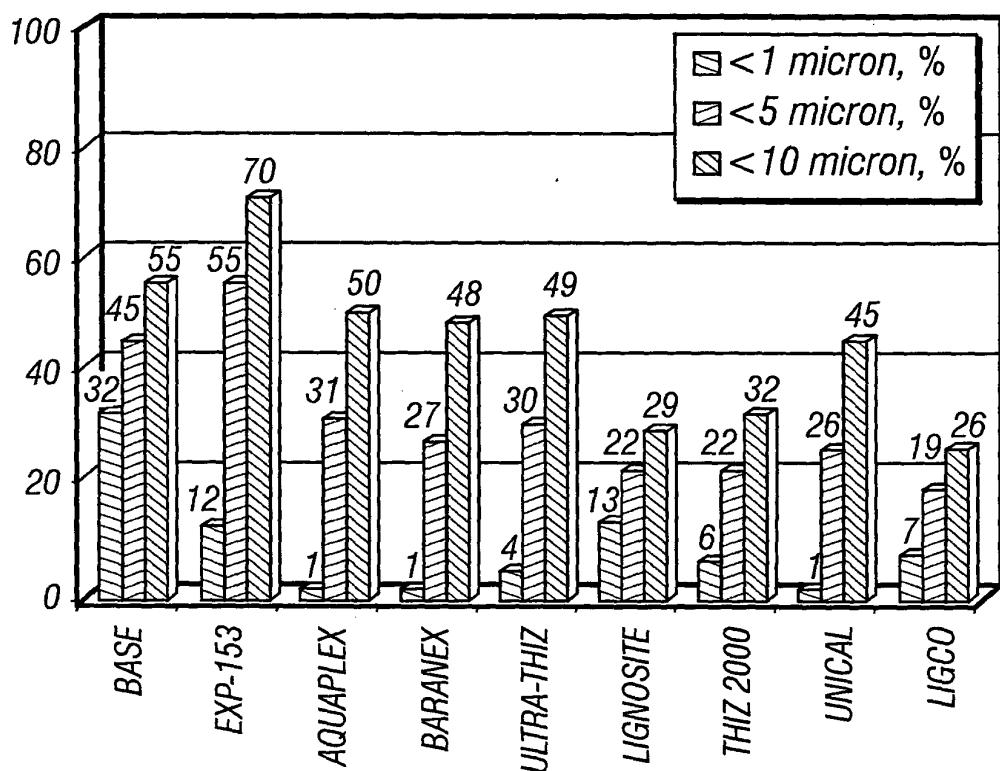
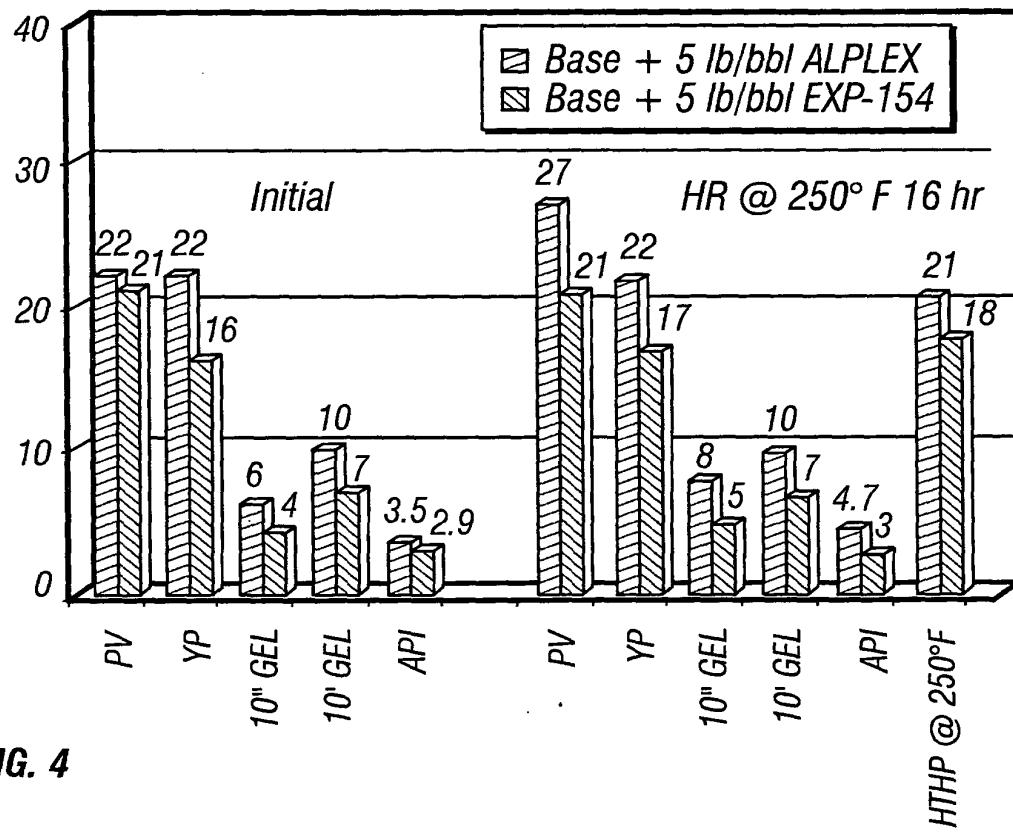


FIG. 3

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*EXP-154 versus ALPLEX® in 12 lb/gal mud. Base: 20% NaCl / 0.5 lb/bbl XAN-PLEX® D / 2 lb/bbl BIO-LOSE®/ 1 lb/bbl NEW-DRILL® PLUS / 3% EXP-155 / 150 lb/bbl MIL-BAR® / 27 lb/bbl Rev Dust*

**FIG. 4**

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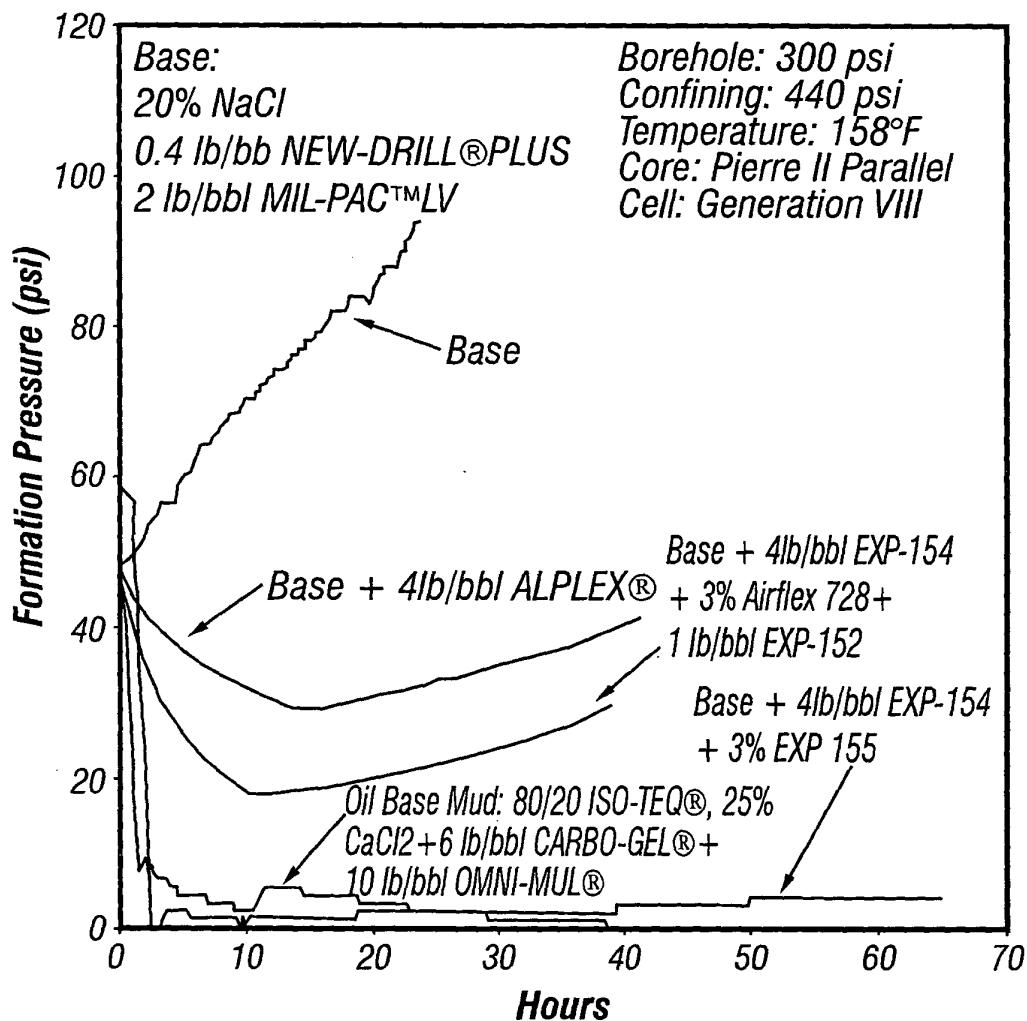
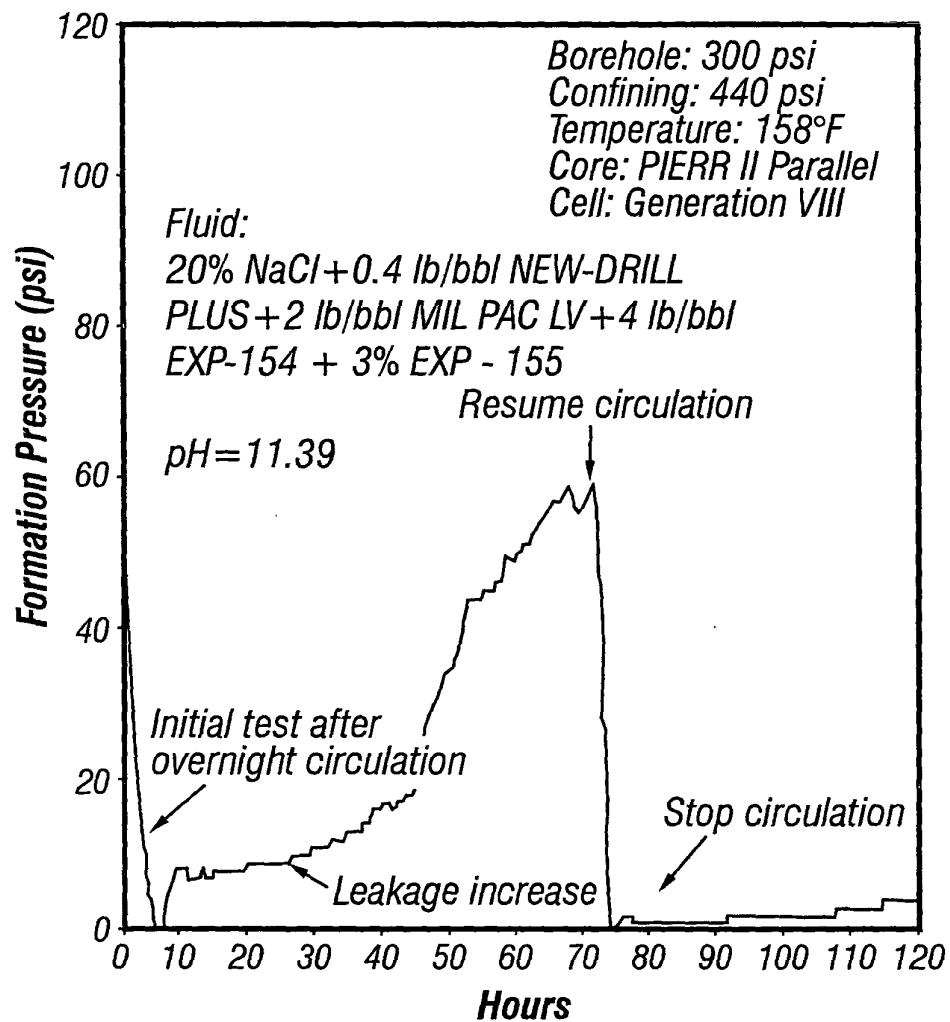
*PPT test results for ALPLEX®, EXP-154/EXP-155, and ISO-TEQ® fluids*

FIG. 5

*Effects of circulation on EXP-154/EXP-155 PPT mud performance*



**FIG. 6**

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*Effects of latex on mud properties in 9.6 lb/gal 20% NaCl fluid after 16 hour,  
250°F hot roll. Base: 20% NaCl / 1 lb/bbl XAN-PLEX® D / 0.4 lb/bbl NEW-DRILL®  
PLUS / 2 lb/bbl BIO-PAQ® / 5 lb/bbl EXP-154 / 10 lb/bbl MIL-CARB®  
/27 lb/bbl Rev Dust*

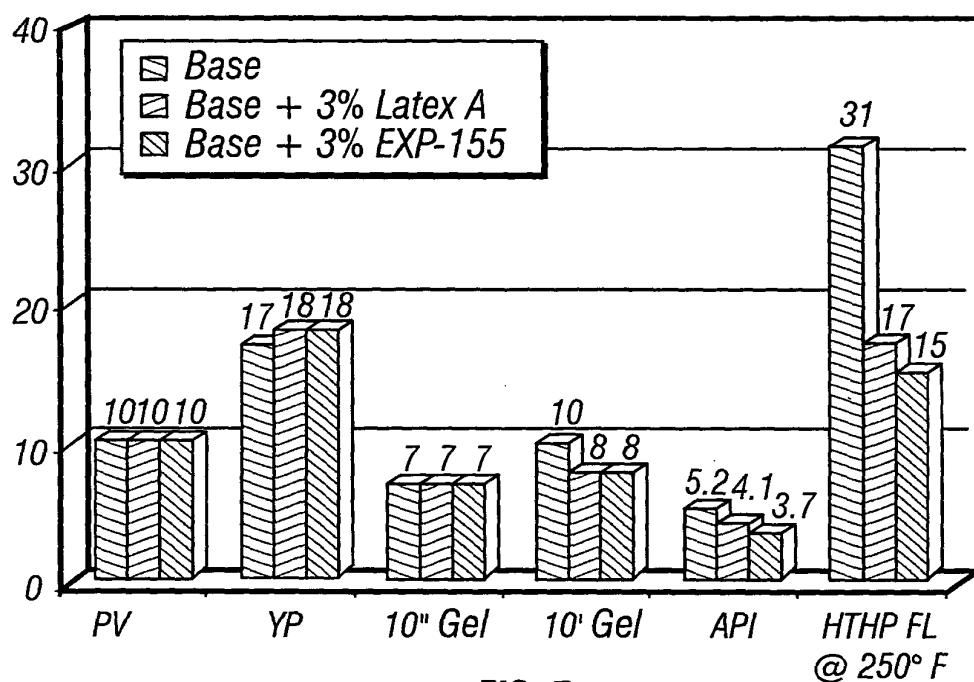


FIG. 7

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*Effects of latex on mud properties in 12 lb/gal fluid after hot rolling for 16 hours, at 250°F. Base: 20% NaCl / 0.75 lb/bbl XAN-PLEX® D/ 0.4 lb/bbl NEW-DRILL® PLUS / 3 lb/bbl BIO-PAQ®/ 5 lb/bbl EXP-154 / 150 lb/bbl MIL-BAR® /27 lb/bbl Rev Dust*

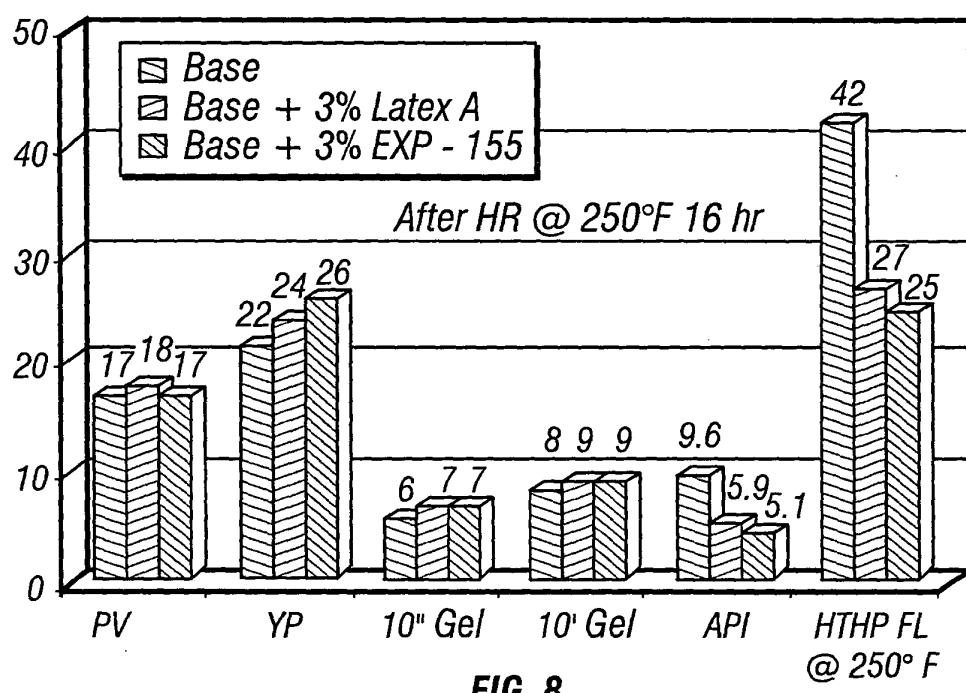
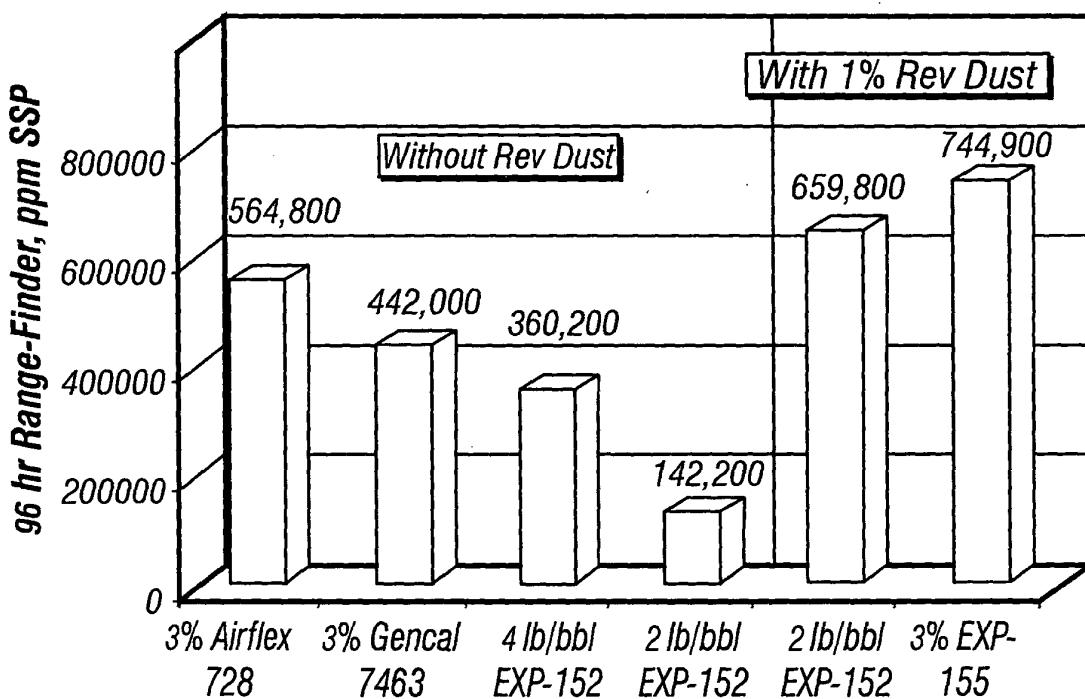


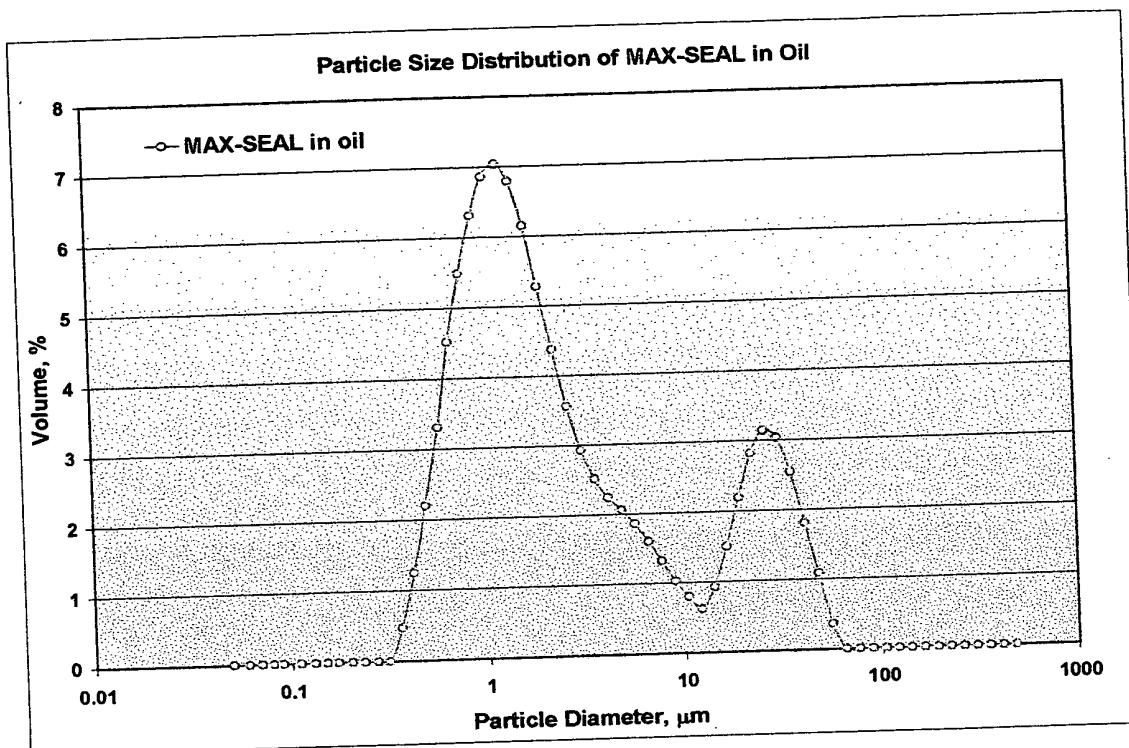
FIG. 8

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*96 hour Mysidopsis bahia range finder results for experimental products in 12 lb/gal fluids. Base: 20% NaCl / 0.5 lb/bbl XAN-PLEX® D / 0.4-1 lb/bbl NEW-DRILL® PLUS / 2 lb/bbl MIL-PAC® LV (or BIO-PAQ®) / 150 lb/bbl MIL BAR®.*

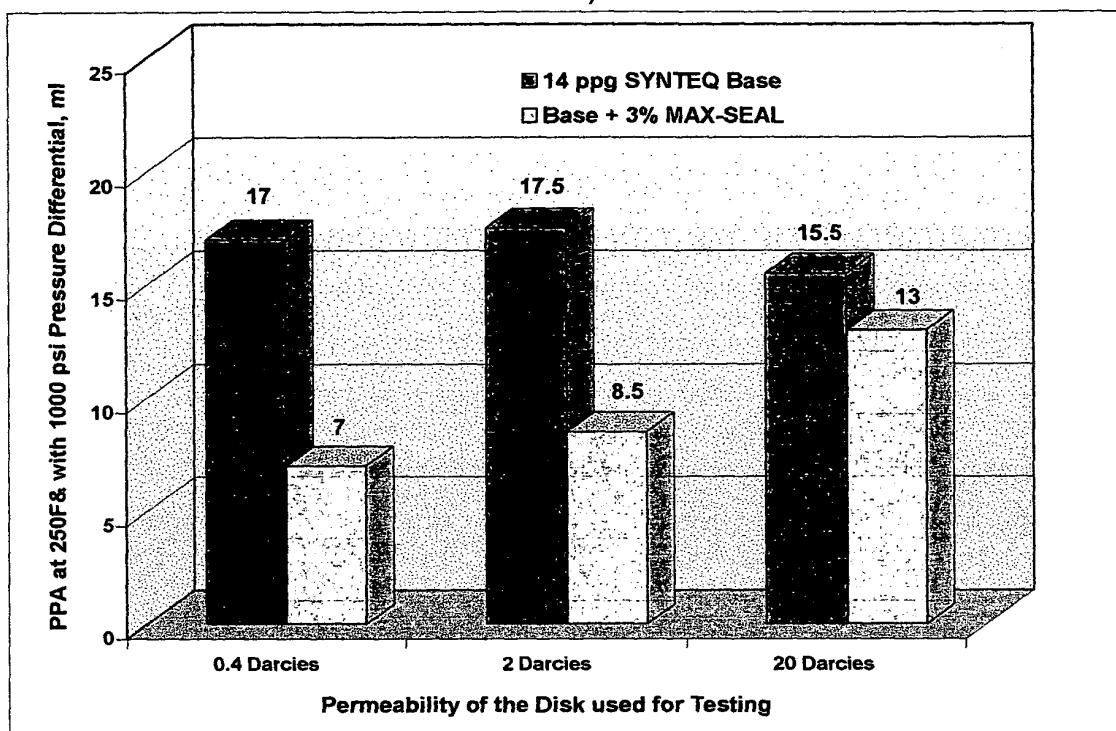
**FIG. 9**

**FIG. 10**



## FIG. 11

Effect of XAX-SEAL on PPA test results at 250°F for 14 lb/gal SYN-TEQ mud on different permeability disks. (Mud samples have been hot rolled at 250°F for 16 hours)



## FIG. 12

Effect of MAX-SEAL on the PPA fluid loss at 250°F on 0.4 Darcy disk for 14 ppg SYN-TEQ mud. (Mud samples have been hot rolled at 250°F for 16 hours)

